

## ABSTRACT OF THE DISCLOSURE

A solid polymer electrolyte fuel cell includes a polymer electrolyte membrane having proton-conductivity. An anode is disposed on one surface of the polymer electrolyte membrane, and a cathode is disposed on the other surface of the polymer electrolyte membrane. The cathode has a first gas diffusion layer joined to a second gas diffusion layer in the thickness direction of the cathode. The second gas diffusion layer has different characteristic compared to the first gas diffusion layer.

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